IN THE CLAIMS:

Claims 1-25 have been amended herein. All of the pending claims 1 through 25 are presented below. This listing of claims will replace all prior versions and listings in the application. Please enter these claims as amended.

- 1. (Currently Amended) A method of assembling a flip-chip semiconductor device assembly, the method comprising:
- providing a wafer having an active surface and a back surface and including a plurality of unsingulated semiconductor dice, at least some semiconductor dice of said the plurality having conductive bumps protruding transversely from said the active surface;
- providing a wafer scale interposer substrate having a first surface and a second surface, said the wafer scale interposer substrate including a plurality of unsingulated interposer substrates, each having a plurality of conductive elements thereon adjacent said the second surface, each unsingulated interposer substrate dimensioned and located to correspond with one of said the plurality of semiconductor dice of said the wafer, each of said the plurality of interposer substrates having a plurality of recesses extending thereinto from said the first surface to expose at least a portion of one of said the plurality of conductive elements; and
- placing-said_the wafer with-said_the active surface thereof facing-said_the first surface of-said_the wafer scale interposer substrate and-said_the plurality of unsingulated semiconductor dice in alignment with-said_the plurality of unsingulated interposer substrates and disposing each of-said_the conductive bumps protruding transversely from-said_the active surface into a recess of-said_the plurality of recesses of-said_the plurality of interposer substrates so that-said_the conductive bumps are substantially received within-said_the plurality of recesses in-said_the plurality of interposer substrates.

- 2. (Currently Amended) The method of claim 1, further comprising attaching-said the active surface of-said the wafer directly to-said the first surface of-said the wafer scale interposer substrate by at least one adhesive element disposed on-said the first surface at a location of each of-said the plurality of interposer substrates.
- 3. (Currently Amended) The method of claim 1, wherein said disposing comprises abutting said the active surface of said the wafer with said the first surface of said the wafer scale interposer substrate.
- 4. (Currently Amended) The method of claim 1, further comprising aligning each of said the conductive bumps on-said the at least some semiconductor dice with said the plurality of recesses so that each of-said the conductive bumps is positioned directly over one of-said the plurality of recesses.
- 5. (Currently Amended) The method of claim 1, wherein said providing said the wafer scale interposer substrate comprises forming said the plurality of recesses to be sized and configured to substantially receive said the conductive bumps therein.
- 6. (Currently Amended) The method of claim 1, wherein said providing said the wafer scale interposer substrate comprises forming said the plurality of recesses collectively in each of said the semiconductor dice in at least one of a centrally aligned row configuration, a peripheral configuration and an I-shaped configuration.
- 7. (Currently Amended) The method of claim 1, wherein said disposing comprises positioning said the conductive bumps of said the plurality of semiconductor dice in said the recesses of said the plurality of an interposer substrate so that a surface of each of said the conductive bumps directly contacts a respective conductive element of the plurality of conductive elements.

- 8. (Currently Amended) The method of claim 1, further comprising bonding each of said the conductive bumps to a said the plurality of conductive elements, respectively.
- 9. (Currently Amended) The method of claim 8, wherein said-bonding comprises bonding by at least one of reflowing, curing, ultrasonic bonding and thermal compression bonding.
- 10. (Currently Amended) The method of claim 1, further comprising disposing a nonsolid conductive material on-said the conductive bumps prior to disposing-said the conductive bumps in-said the plurality of recesses.
- 11. (Currently Amended) The method of claim 10, further comprising bonding each of said the conductive bumps having said the nonsolid conductive material thereon to a said each of the plurality of conductive element elements using said the nonsolid material.
- 12. (Currently Amended) The method of claim 1, further comprising disposing a nonsolid conductive material in each of said the plurality of recesses.
- 13. (Currently Amended) The method of claim 12, wherein said disposing said the nonsolid conductive material comprises:
- providing a stencil having a pattern of apertures therethrough corresponding to a pattern of said

 the plurality of recesses of said the plurality of unsingulated interposer substrates of the wafer scale interposer substrate;
- positioning-said the stencil over-said the wafer scale interposer substrate so that said the pattern of apertures corresponds with said the pattern of said the plurality of recesses; and spreading-said the nonsolid conductive material over-said the stencil and into-said the plurality of recesses with a spread spreading member.

- 14. (Currently Amended) The method of claim 12, further comprising inserting each of said the conductive bumps in a recess of said the plurality of recesses in contact with said the nonsolid conductive material therein.
- 15. (Currently Amended) The method of claim 14, further comprising bonding each of-said the conductive bumps inserted in-said the plurality of recesses to said the plurality of conductive elements using said the nonsolid conductive material.
- 16. (Currently Amended) The method of claim 1, wherein said-providing-said the wafer scale interposer substrate comprises providing-said the wafer scale interposer substrate with at least one opening in-said the first surface thereof at a location of each interposer substrate and placing and configuring-said the at least one opening to communicate with at least one recess of-said the plurality of recesses.
- 17. (Currently Amended) The method of claim 16, further comprising introducing dielectric filler material through said the at least one opening into a space adjacent said the conductive bumps in said the at least one recess.
- 18. (Currently Amended) The method of claim 1, further comprising introducing dielectric filler material into a space adjacent at least some of said the conductive bumps disposed in said the plurality of recesses.
- 19. (Currently Amended) The method of claim 1, wherein said-providing-said the wafer comprises providing a layer of encapsulation material on-said the back surface-thereof thereof.

- 20. (Currently Amended) The method of claim 19, wherein said-providing-said the layer of-said the encapsulation material is effected by at least one of spin-coating and glob-top covering.
- 21. (Currently Amended) The method of claim 18, further comprising dicing said the wafer and said the wafer scale interposer substrate into singulated semiconductor device assemblies, each of said the singulated semiconductor device assemblies comprising at least one semiconductor die of said the plurality of semiconductor dice secured to at least one interposer substrate of said the plurality of interposer substrates.
- 22. (Currently Amended) The method of claim 21, further comprising at least partially encapsulating-said the singulated semiconductor device assemblies by dispensing encapsulation material about a periphery of said the at least one semiconductor die of each of said the singulated semiconductor device assemblies.
- 23. (Currently Amended) The method of claim 1, further comprising dicing said the wafer disposed to-said the wafer scale interposer substrate into singulated semiconductor device assemblies, each of-said the singulated semiconductor assemblies comprising at least one semiconductor die of said the plurality of semiconductor dice secured to at least one interposer substrate of said the plurality of interposer substrates.
- 24. (Currently Amended) The method of claim 23, further comprising at least partially encapsulating said the singulated semiconductor assemblies by dispensing encapsulation material about a periphery of said the at least one semiconductor die of each of said the singulated semiconductor device assemblies.

25. (Currently Amended) The method of claim 24, wherein-said the at least partially encapsulating said the singulated semiconductor device assembles comprises leaving said the back surface of said the at least one semiconductor die exposed.